

CAPLESS FLUID RESERVOIR
ABSTRACT OF THE DISCLOSURE

A seal within the filler neck of a fluid reservoir is configured to provide fluid channels into the reservoir while in the at-rest position, but seals the filler neck when deformed by an externally directed insert in the filler neck. The seal is a hollow bulb with a frusto-conical surface spaced from a parallel frusto-conical surface of the filler neck by a plurality of ribs therebetween. The gap between the ribs, and between the surfaces of the seal and the filler neck, form fluid channels for replenishing the reservoir. A plunger inserted into the filler neck deflects the seal outwardly into contact with the filler neck, closing the fluid channels and preventing matter from entering the fluid reservoir.